OIPE

DATE: 11/29/2002 RAW SEQUENCE LISTING TIME: 16:03:01 PATENT APPLICATION: US/09/832,464

Input Set : N:\Crf3\RULE60\09832464.raw Output Set: N:\CRF4\11292002\1832464.raw

SEQUENCE LISTING

```
3 (1) GENERAL INFORMATION:
        (i) APPLICANT: de Boer, Piet A.J.
 6
                       Hale, Cynthia A.
       (ii) TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR SCREENING
 8
 9
                                 ANTIMICROBIALS
11
      (iii) NUMBER OF SEQUENCES: 25
       (iv) CORRESPONDENCE ADDRESS:
13
             (A) ADDRESSEE: MEDLEN & CARROLL
14
             (B) STREET: 220 Montgomery Street, Suite 2200
15
16
             (C) CITY: San Francisco
             (D) STATE: California
17
                                                             ENTERED
             (E) COUNTRY: United States of America
18
             (F) ZIP: 94104
        (v) COMPUTER READABLE FORM:
             (A) MEDIUM TYPE: Floppy disk
22
             (B) COMPUTER: IBM PC compatible
23
             (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24
             (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
       (vi) CURRENT APPLICATION DATA:
27
             (A) APPLICATION NUMBER: US/09/832,464
28
29
             (B) FILING DATE: 11-Apr-2001
30
             (C) CLASSIFICATION:
32
      (vii) PRIOR APPLICATION DATA:
             (A) APPLICATION NUMBER: US/09/184,826
33
34
             (B) FILING DATE:
36
     (viii) ATTORNEY/AGENT INFORMATION:
37
             (A) NAME: Carroll, Peter G.
38
             (B) REGISTRATION NUMBER: 32,837
39
             (C) REFERENCE/DOCKET NUMBER: CASE-02249
41
       (ix) TELECOMMUNICATION INFORMATION:
42
             (A) TELEPHONE: (415) 705-8410
             (B) TELEFAX: (415) 397-8338
43
46 (2) INFORMATION FOR SEQ ID NO: 1:
        (i) SEQUENCE CHARACTERISTICS:
48
49
             (A) LENGTH: 2160 base pairs
50
             (B) TYPE: nucleic acid
51
             (C) STRANDEDNESS: single
52
             (D) TOPOLOGY: linear
54
       (ii) MOLECULE TYPE: DNA (genomic)
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
```

61 CAATACCAGG GATGAAGTAA AGAATTAGTA ATACAATTGC GCGCGGCAGA TACCAGGCAA

63 ATTTTTGCCA TTCGCGTTTC ATGATTCGCG GCACATCTTT CATGATACCG AAAATCCCGG

60

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| 65 TATCTGGCGG TGTAGCGCCA GTCAATCGTG CTTCCAGTTG TTCAGCCAAT AAACCGTTAA | 180 |
|--|---|
| 67 ACGGAGCGGC AATCCAGTTA GCAATCGTGG AGAAGAAATA GCCAAACACT AACAGCACAG | 240 |
| 69 AGATGACACG CAGAGGCCAC AACAGATAAC TCAGCCATTG TAGCCAGTCC GGAACGTAAC | 300 |
| 71 TCATGAGAGT CGGGATCCAG ACATCGAGCT GTGTAAAGAG CCACCAGAAT GCGCCCCCCA | 360 |
| 73 TCAACAAAAT ATTGACCAGC AGCGGTAAAA TAACGAAACG CCGAATCCCA GGTTGCGAGA | 420 |
| 75 CGAGCTTCCA GCCTTGCGCA AAATAGTAAA AACCGCTGCG TGGGGCAGAT GTGAATGATG | 480 |
| 77 AAACCATAAT CAGGATGAGC TCCTTTTGAC CAATCCCAGG AAAATTCTGC GTATTTTACC | 540 |
| 79 GGGTAATTGC GCAATGGACA GTTAGGATAT GTTCGAAAAA ACAGCAAAAA GCACGATTTC | 600 |
| 81 ATCTATCTTT GTGCTGTGAA AGTTAATAGT GCACTTGCAC TTGAGGTAAT CGGCAAATAC | 660 |
| 83 TCTTAGTGAG TAAATGTTTG CCGTGGTGGC AAGGTGTTAG AACAACAGAG AATATAATGA | 720 |
| 85 TGCAGGATTT GCGTCTGATA TTAATCATTG TTGGCGCGAT CGCCATAATC GCTTTACTGG | 780 |
| 87 TACATGGTTT CTGGACCAGC CGTAAAGAAC GATCTTCTAT GTTCCGCGAT CGGCCATTAA | 840 |
| 89 AACGAATGAA GTCAAAACGT GACGACGATT CTTATGACGA GGATGTCGAA GATGATGAGG | 900 |
| 91 GCGTTGGTGA GGTTCGTGTT CACCGCGTGA ATCATGCCCC GGCTAACGCT CAGGAGCATG | 960 |
| 93 AGGCTGCTCG TCCGTCGCCG CAACACCAGT ACCAACCGCC TTATGCGTCT GCGCAGCCGC | 1020 |
| 95 GTCAACCGGT CCAGCAGCCG CCTGAAGCGC AGGTACCGCC GCAACATGCT CCGCATCCAG | 1080 |
| 97 CGCAGCCGGT GCAGCAGCCT GCCTATCAGC CGCAGCCTGA ACAGCCGTTG CAGCAGCCAG | 1140 |
| 99 TTTCGCCACA GGTCGCGCCA GCGCCGCAGC CTGTGCATTC AGCACCGCAA CCGGCACAAC | 1200 |
| 101 AGGCTTTCCA GCCTGCAGAA CCCGTAGCGG CACCACAGCC TGAGCCTGTA GCGGAACCTG | |
| 103 CTCCAGTTAT GGATAAACCG AAGCGCAAAG AAGCGGTGAT TATCATGAAC GTCGCGGCGC | |
| 105 ATCACGGTAG CGAGCTAAAC GGTGAAGCTC TTCTTAACAG CATTCAACAA GCGGGCTTCA | |
| 107 TTTTTGGCGA TATGAATATT TACCATCGTC ATCTTAGCCC GGATGGCAGC GGCCCGGCGT | |
| 109 TATTCAGCCT GGCGAATATG GTGAAACCGG GAACCTTTGA TCCTGAAATG AAGGATTTCA | |
| 111 CTACTCCGGG TGTCACTATC TTTATGCAGG TACCGTCTTA CGGTGACGAG CTGCAGAACT | |
| 113 TCAAGCTGAT GCTGCAATCT GCGCAGCATA TTGCCGATGA AGTGGGCGGT GTCGTGCTTG | |
| 115 ACGATCAGCG CCGTATGATG ACTCCGCAGA AATTGCGCGA GTACCAGGAC ATCATCCGCG | |
| 117 AAGTCAAAGA CGCCAACGCC TGATACACTT AAGGCAAATT AACTCCTCTT CGAACCCCCG | |
| 119 CTTGTCGGGG GTTTTTAGCA TTGATGGTGC GATATGGAAT CAATCGAACA ACAACTGACA | |
| 121 GAACTGCGAA CGACGCTTCG CCATCATGAA TATCTTTATC ATGTGATGGA TGCGCCGGAA | |
| 123 ATTCCCGACG CTGAATACGA CAGGCTGATG CGCGAACTGC GCGAGCTGGA AACCAAACAT | |
| 125 CCAGAACTGA TTACGCCTGA TTCGCCTACT CAACGTGTAG GCGCTGCGCC GCTGGCGGCT | |
| 127 TTCAGCCAGA TACGCCATGA AGTACCAATG CTGTCACTGG ATAACGTTTT TGATGAAGAA | |
| 129 AGCTTTCTTG CTTTCAACAA ACGTGTGCAG GACCGTCTGA AAAACAACGA GAAAGTCACC | |
| 131 TGGTGCTGTG AGCTGAAGCT GGATGGTCTT GCCGTCAGTA TTCTGTATGA AAATGGCGTT | |
| 134 (2) INFORMATION FOR SEO ID NO: 2: | 2100 |
| 136 (i) SEQUENCE CHARACTERISTICS: | |
| 137 (A) LENGTH: 328 amino acids | |
| 138 (B) TYPE: amino acid | |
| 139 (C) STRANDEDNESS: Not Relevant | |
| • 140 (D) TOPOLOGY: Not Relevant | |
| 142 (ii) MOLECULE TYPE: protein | |
| 147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: | |
| 149 Met Met Gln Asp Leu Arg Leu Ile Leu Ile Val Gly Ala Ile | Δla |
| 150 1 5 10 15 | |
| 152 Ile Ile Ala Leu Leu Val His Gly Phe Trp Thr Ser Arg Lys Glu | Ara |
| 152 The Tie Ala Bed Led Val his Gry The Tip hil Sel Alg Bys Grd 153 20 25 30 | · • • · · · · · · · · · · · · · · · · · |
| 155 Ser Ser Met Phe Arg Asp Arg Pro Leu Lys Arg Met Lys Ser Lys | Ara |
| 156 35 40 45 | · • • · · · · · · · · |
| 158 Asp Asp Ser Tyr Asp Glu Asp Val Glu Asp Asp Glu Gly Val | Glv |
| 120 with with yet lift with and with all with all all hal | GT A |

RAW SEQUENCE LISTING DATE: 11/29/2002 PATENT APPLICATION: US/09/832,464 TIME: 16:03:01

Input Set : N:\Crf3\RULE60\09832464.raw
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| 159 | | | 50 | | | | | 55 | | | | | 60 | | | | |
|------------|---|-----------------------------|--------|-------|-------|------|--------|--------------|-------|---------|---------|-------|-------|------|------|-------|------|
| 161 | | Glu | | Ara | Val | His | Ara | Val | Asn | His | Ala | Pro | | Asn | Ala | Gln | Glu |
| 162 | | 65 | | 9 | | | 70 | | | | | 75 | | | | | 80 |
| 164 | | | Glu | Δla | Δla | Ara | _ | Ser | Pro | Gln | His | | Tvr | Gln | Pro | Pro | |
| 165 | | 11.10 | Olu | | | 85 | | 001 | | 02 | 90 | 02 | - 1 - | 0 | | 95 | - 1 |
| 167 | | Δla | Ser | Δla | Gln | | Ara | Gln | Pro | Val | | Gln | Pro | Pro | Glu | | Gln |
| 168 | | AIG | CL | riza | 100 | 110 | 111.9 | 0111 | 110 | 105 | 0111 | 01 | 110 | 110 | 110 | | 01 |
| 170 | | Val | Pro | Pro | | His | Δla | Pro | His | | Δla | Gln | Pro | Val | | Gln | Pro |
| 171 | | Vai | 110 | 115 | 0.111 | 1115 | 7114 | 110 | 120 | 110 | 7114 | 0111 | 110 | 125 | 01 | 02 | |
| 173 | | Δla | Tur | | Pro | Gln | Pro | Glu | | Pro | Len | Gln | Gln | | Val | Ser | Pro |
| 174 | | nic | 130 | 0111 | 110 | 0211 | 110 | 135 | 01 | | 200 | 01 | 140 | | | | |
| 176 | | Gln | | Δla | Pro | Δla | Pro | Gln | Pro | Val | His | Ser | | Pro | Gln | Pro | Ala |
| 177 | | 145 | Vai | лта | 110 | пια | 150 | 0.111 | 110 | V () 1 | 1110 | 155 | 1114 | 110 | 01 | 110 | 160 |
| 179 | | | Gln | Δla | Pho | Gln | | Ala | Glu | Pro | Val | | Ala | Pro | Gln | Pro | |
| 180 | | GIII | OIII | лта | 1110 | 165 | 110 | 111.0 | Olu | 110 | 170 | 7114 | 1114 | 110 | 01 | 175 | 014 |
| 182 | | Pro | Val | ЛΙэ | Glu | | Δ1 a | Pro | U = 1 | Mot | | T.ve | Pro | Lvs | Ara | | Glu |
| | | 110 | vaı | пта | 180 | 110 | AIG | 110 | Val | 185 | лэр | цуз | 110 | цуз | 190 | Буо | 014 |
| 183 | | חות | Wal | Tla | | Mot | 7) c n | Val | Nlα | | Hic | Hic | Gly | Sor | | T.e.n | Δsn |
| 185 | | ALA | vaı | 195 | TTE | net | ASII | vaı | 200 | AIa | 1113 | 111.3 | ОТУ | 205 | Giu | пси | ASII |
| 186 188 | | C1.v | Clu | | T OU | LOU | Λen | Ser | | Gln | Gln | Δla | Glv | | Tla | Phe | Glv |
| 189 | | СТУ | 210 | ALA | пеп | пеп | ион | 215 | 116 | GIII | GIII | пта | 220 | Tire | 110 | LIIC | Gry |
| 191 | | 7 cm | | λcn | Tlo | Тих | Wie | Arg | Hic | Lou | Sar | Pro | | Glv | Ser | Glv | Pro |
| 192 | | 225 | Met | ASII | 116 | ıyı | 230 | лıу | 1113 | пеа | Ser | 235 | лэр | OT A | SCI | Ory | 240 |
| 194 | | | Lou | Dho | Sor | LAII | | Asn | Mat | V = 1 | Lve | | Glv | Thr | Phe | Asn | |
| 195 | | ALA | ьeu | rne | Per | 245 | ΑΙα | non | Met | Val | 250 | LLO | OLY | 1111 | 1110 | 255 | 110 |
| 197 | | Glu | Mot | Luc | Asn | | Thr | Thr | Pro | Glv | | Thr | Tle | Phe | Met | | Val |
| 198 | | GIU | nec | цуз | 260 | 1110 | 1111 | 1111 | 110 | 265 | • • • • | 1111 | 110 | 1110 | 270 | 01 | |
| 200 | | Pro | Sar | Tur | | Asn | Glu | Leu | Gln | | Phe | Lvs | Len | Met | | Gln | Ser |
| 201 | | 110 | Jer | 275 | Ory | пор | Oru | пси | 280 | 11011 | 1110 | шу | шси | 285 | DC u | 01 | 001 |
| 203 | | Δla | Gln | | Tle | Δla | Asp | Glu | | Glv | Glv | Val | Val | | Asp | Asp | Gln |
| 204 | | 1110 | 290 | | 110 | | 1105 | 295 | | 021 | 0-1 | | 300 | | | | |
| 206 | | Ara | | Met | Met | Thr | Pro | Gln | Lvs | Leu | Ara | Glu | | Gln | Asp | Ile | Ile |
| 207 | | 305 | **** 9 | | | | 310 | 0 | -10 | | 5 | 315 | -1- | | 1 | | 320 |
| 209 | | | Glu | Val | Lvs | Asp | | Asn | Ala | | | | | | | | |
| 210 | | 9 | | | -1- | 325 | | | | | | | | | | | |
| 212 | (2) | INFO | RMAT | ION I | FOR S | | ED NO |): 3: | : | | | | | | | | |
| 214 | (-, | | | | | | | STICS | | | | | | | | | |
| 215 | | (-, | | | | | | ino a | | 5 | | | | | | | |
| 216 | | | | | | | | | | | | | | | | | |
| 217 | (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant | | | | | | | | | | | | | | | | |
| 218 | | | | | | | | | | | | | | | | | |
| 220 | | (ii) MOLECULE TYPE: protein | | | | | | | | | | | | | | | |
| 225 | | (xi) | | | | _ | | | EO II | ON C | : 3: | | | | | | |
| 227 | | | | | | | | Ile | | | | Ile | Val | Ala | Leu | Val | Ala |
| 228 | | 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| 230 | | _ | Πle | Val | His | Glv | Len | Trp | Ser | Asp | | Ara | Glu | Lvs | Ser | | Tvr |
| 231 | | | | | 20 | 1 | | | | 25 | | | | -1- | 30 | 1 - | |
| 233 | | Phe | Asp | Lvs | | Asp | Lvs | Phe | Asp | | Thr | Ser | Leu | Thr | | Ara | Ser |
| 234 | | | ٦ | 35 | | | | | 40 | 9 | | | | 45 | | 5 | |
| | | | | | | | | | | | | | | | | | |

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RAW SEQUENCE LISTING DATE: 11/29/2002 PATENT APPLICATION: US/09/832,464 TIME: 16:03:01

Input Set : N:\Crf3\RULE60\09832464.raw
Output Set: N:\CRF4\11292002\1832464.raw

```
His Thr Gln Glu Glu Met Val Gln Pro Asn Asn Ile Ser Pro Asn Thr
     236
     237
                                       55
     239
              Tyr Val Glu Asn Gly His Thr Pro Ile Pro Gln Pro Thr Thr Glu Lys
     240
                                                       75
              Leu Pro Ser Glu Ala Glu Leu Ile Asp Tyr Arg Gln Ser Asp Lys Ser
     242
                                                   90
     243
     245
              Val Asp Asp Ile Lys Ile Ser Ile Pro Asn Thr Gln Pro Ile Tyr Asp
     246
                                               105
     248
              Met Gly Asn His Arg Ser Glu Pro Ile Gln Pro Thr Gln Pro Gln Tyr
     249
                                           120
              Asp Met Pro Thr Ala Asn Asn Val Ala Ser Met Thr Leu Glu Gln Leu
     251
     252
                                       135
              Glu Ala Gln Ser Gln Asn Val Gly Phe Asn Gly Ile Asn Ser Ser Ser
     254
     255
                                   150
                                                       155
              Pro Glu Leu Arg Val Gln Leu Ala Glu Leu Ser His Glu Glu His Gln
     257
     258
                              165
                                                   170
     260
              Val Asp Tyr Asn Leu Ser Phe Asn Glu Pro Lys Ala Glu Thr Thr Ala
     261
                                               185
     263
              His Pro Lys Gln Thr Thr Gly Tyr Ile Gln Leu Tyr Leu Ile Pro Lys
     264
                                           200
              Ser Ser Glu Glu Phe Asn Gly Ala Lys Leu Val Gln Ala Leu Glu Asn
     266
     267
                                       215
                                                            220
     269
              Leu Gly Phe Ile Leu Gly Lys Asp Glu Met Tyr His Arg His Leu Asp
     270
                                  230
                                                       235
     272
              Leu Ser Val Ala Ser Pro Val Leu Phe Ser Val Ala Asn Leu Glu Gln
     273
                               245
                                                   250
     275
              Pro Gly Thr Phe Asn Ala Tyr Asn Leu Ala Glu Phe Asn Thr Ile Gly
     276
                                               265
     278
              Ile Val Leu Phe Met Gln Leu Pro Ser Pro Gly Asn Asn Leu Ala Asn
     279
                      275
                                           280
                                                                285
     281
              Leu Arg Met Met Met Arg Ala Ala His Thr Leu Ala Glu Asp Leu Gln
     282
                                       295
                                                           300
     284
              Gly Val Ile Leu Thr Glu Glu Gln Glu Ile Phe Asp Ala Asn Ala Glu
     285
                                   310
                                                       315
              Gln Ala Tyr Leu Ala Arg Val
     287
     288
                               325
     290 (2) INFORMATION FOR SEQ ID NO: 4:
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              (i) SEQUENCE CHARACTERISTICS:
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                   (A) LENGTH: 6 amino acids
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                   (B) TYPE: amino acid
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                   (C) STRANDEDNESS: Not Relevant
W--> 296
                   (D) TOPOLOGY: Not Relevant
             (ii) MOLECULE TYPE: peptide
     298
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
     303
     305
              Ile Leu Ile Ile Val Gly
     306
     308 (2) INFORMATION FOR SEQ ID NO: 5:
     310
              (i) SEQUENCE CHARACTERISTICS:
     311
                   (A) LENGTH: 10 amino acids
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DATE: 11/29/2002

TIME: 16:03:01 PATENT APPLICATION: US/09/832,464 Input Set : N:\Crf3\RULE60\09832464.raw Output Set: N:\CRF4\11292002\I832464.raw 312 (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant 313 (D) TOPOLOGY: Not Relevant W--> 314 (ii) MOLECULE TYPE: peptide 316 (ix) FEATURE: 319 (A) NAME/KEY: Modified-site 320 (B) LOCATION: 3 321 (D) OTHER INFORMATION: /note= "The peptide at this 322 323 location can be either Arg or Asn." (ix) FEATURE: (A) NAME/KEY: Modified-site 326 327 (B) LOCATION: 4 (D) OTHER INFORMATION: /note= "The peptide at this 328 329 location can be either Leu or Thr." 332 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: W--> 334 Asp Leu Xaa Xaa Ile Leu Ile Ile Val Gly 10 335 5 337 (2) INFORMATION FOR SEQ ID NO: 6: 339 (i) SEQUENCE CHARACTERISTICS: 340 (A) LENGTH: 13 amino acids 341 (B) TYPE: amino acid 342 (C) STRANDEDNESS: Not Relevant W--> 343 (D) TOPOLOGY: Not Relevant 345 (ii) MOLECULE TYPE: peptide 348 (ix) FEATURE: 349 (A) NAME/KEY: Modified-site 350 (B) LOCATION: 7 (D) OTHER INFORMATION: /note= "The peptide at this 351 352 location can be either" (ix) FEATURE: 354 355 (A) NAME/KEY: Modified-site 356 (B) LOCATION: 8 (D) OTHER INFORMATION: /note= "The peptide at this 357 358 location can be either Ile or Val." (ix) FEATURE: (A) NAME/KEY: Modified-site 361 (B) LOCATION: 10 362 (D) OTHER INFORMATION: /note= "The peptide at this 364 locaiton can be either Ile or Leu." 366 (ix) FEATURE: 367 (A) NAME/KEY: Modified-site 368 (B) LOCATION: 11 (D) OTHER INFORMATION: /note= "The peptide at this 370 location can be either Ile or Val." (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 373 W--> 375 Ile Leu Ile Ile Val Gly Xaa Xaa Ala Xaa Xaa Ala Leu 376 5 378 (2) INFORMATION FOR SEQ ID NO: 7: 380 (i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/832,464

DATE: 11/29/2002 TIME: 16:03:02

Input Set : N:\Crf3\RULE60\09832464.raw
Output Set: N:\CRF4\11292002\1832464.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos.3,4
Seq#:6; Xaa Pos.7,8,10,11
Seq#:7; Xaa Pos.7,8,10,11,14
Seq#:8; Xaa Pos.3
Seq#:9; Xaa Pos.3,7
Seq#:11; Xaa Pos.2,6
Seq#:13; Xaa Pos.1
Seq#:14; Xaa Pos.1,5

VERIFICATION SUMMARY DATE: 11/29/2002 PATENT APPLICATION: US/09/832,464 TIME: 16:03:02

Input Set : N:\Crf3\RULE60\09832464.raw
Output Set: N:\CRF4\11292002\1832464.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:] L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:] L:140 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=2 L:218 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=3 L:296 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=4 L:314 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=5 L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0 L:343 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=6 L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0 L:384 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=7 L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0 L:434 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=8 L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0 L:457 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=9 L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0 L:486 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=10 L:504 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=11 L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0 L:533 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=12 L:551 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=13 L:565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0 L:574 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=14 L:594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0 L:654 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=18 L:672 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=19 L:699 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=20 L:717 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=21 L:738 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=22 L:759 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=23